

UST CLOSURE REPORT
WORTH INDUSTRIES
COLFAX, NORTH CAROLINA
FEBRUARY 16, 1993

LEGACY ENVIRONMENTAL SERVICES, INC.





LEGACY ENVIRONMENTAL SERVICES, INC.

P.O. Box 4560, Greensboro, NC 27404-4560, Phone (919) 316-0452, FAX (919) 299-1961

February 16, 1993

Mr. Roger Brewster
Arnold Equipment Company, Inc.
P.O. Box 18207
Greensboro, North Carolina 27419

Reference: UST Closure
Worth Industries
3416 Sandy Ridge Road
Colfax, North Carolina

Dear Mr. Brewster,

Please find enclosed a report summarizing the UST closure conducted at the above referenced facility. Based on the data accumulated from the UST removal by Arnold Equipment Company, Incorporated and the UST closure assessment by Legacy Environmental Services, Incorporated; we have reached the following conclusions.

The Worth Industries facility, located at 3416 Sandy Ridge Road in Colfax, North Carolina, was originally developed as an industrial facility. In January 1993, six USTs were removed from this property by Arnold Equipment Company, Inc. These tanks were registered with the state on May 1, 1986. Soil samples collected on January 19, 1993 by Legacy Environmental Services, Inc., during the UST closure were submitted to an independent laboratory for analyses. The analyses of these samples verified that soil in one area had been impacted by a hazardous substance, specifically isopropyl acetate contained in tank # 1.

43.70 tons of contaminated soil were removed from the tank site and temporarily stockpiled until a treatment method is selected. This report contains the results from the laboratory analyses of soils collected by Legacy Environmental Services, Inc. during the project.

Legacy Environmental Services, Inc. recommends forwarding this report to Guilford County Emergency Services. This report is submitted in accordance with the requirements of EPA 40 CFR Part 280 and the North Carolina Administrative Code, Title 15A, Subchapter 2N "Underground Storage Tanks". Please contact our office at (919) 316-0452 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Setzer", with a stylized flourish at the end.

Ed Setzer
Senior Chemist

R93-309

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UST CLOSURE REPORT FOR WORTH INDUSTRIES COLFAX, NORTH CAROLINA

1.0 Background

1.1 Introduction

Worth Industries, operated a gravure facility at 3416 Sandy Ridge Road in Colfax, North Carolina. The land within a one mile radius of the site is within Guilford County. A review of the Pollution Incident Report File dated November 25, 1992 did not reveal any documented releases of hazardous materials for this site.

On January 20, 1993, Arnold Equipment Company, Inc. removed the tanks and together with Legacy Environmental Services, Inc. completed the require closure assessment. On January 21, 1993, the isopropyl acetate release was confirmed by R & A Laboratories.

This report contains information concerning the following activities at this site:

UST Closure assessment activities conducted by Arnold Equipment and Legacy Environmental.

Analytical results conducted by R & A Laboratories.

1.2 Location

Worth Industries is located at 3416 Sandy Ridge Road, Colfax, Guilford County, North Carolina. This site is located in the Guilford 7.5 minute quadrangle of the U.S. Geological Survey. Figure 1 illustrates the location of this property.

1.3 Site Layout

The site is located on an estimated 50,000 square foot tract of land. There is one structure on the property. The site is bounded by wooded areas to the south, to the east and to the west and NS Railway to the north. Figure 2 illustrates the site layout of the facility.

1.4 Ownership

The property is privately owned by Standard Enterprises.

1.5 Site Use History

The property is not currently being used. It was formerly used as a gravure facility. Prior to being leased by Shamrock Corporation the property was used for commercial purposes.

1.6 Permit and Regulatory History

The facility is registered as a small hazardous waste generator with facility ID NCD067434548. Various other hazardous waste generators are located near this site. A comprehensive review of any hazardous waste incidents is not included in this report.

1.7 Geology

The geological map of North Carolina classifies the geology of this area as granitic rock in the Carolina Slate Belt.

1.8 Land Use

The area around the site is used for mostly commercial purposes in a rural setting.

2.0 Field Activities

2.1 UST Removal

The objective of the UST removal was to permanently close all of the USTs at this site. During the tank removal incidental odors and elevated PID readings prompted initial remedial action in an effort to remove the suspected contamination and further investigate and assess the site until reaching one of the following limits: excavating equipment limits; bedrock is encountered; groundwater is encountered; aboveground or below ground structures are jeopardized; or roadways are jeopardized. Soil removal was ceased when it was apparent that the contamination had migrated to a depth beyond the reach of the excavation equipment.

43.70 tons of contaminated soils were excavated from the tank bed, loaded onto dump trucks, weighed and stockpiled on site until treatment can be initiated.

2.2 UST Closure Assessment

To confirm site conditions, numerous samples were collected and subjected to both field and laboratory analyses. Confirmatory soil samples were submitted for laboratory analyses conducted by R & A Laboratory; the results of these analyses are summarized in Table 1. Discrete in-situ sample locations corresponding to these values are illustrated on Figure 3.

Soil gases were analyzed in the field utilizing a MSA PID. In addition to field monitoring, confirmatory soil samples were submitted to R & A Labs for analyses. These soil samples were collected using a steel hand auger washed with detergent and water and rinsed with water. The samples were placed in laboratory supplied glassware, labeled with sample location, analysis to be performed, time, date and sampler's name. The sample jars were then placed in a cooler, chilled with ice to approximately 4°C and transported to the analytical laboratory utilizing EPA approved chain-of-custody procedures. At the analytical laboratory, the soil samples were analyzed for the major components in the tanks according to the methods recommend by R & A Labs. Closure assessment analytical reports and chain of custody records are documented in Attachment A.

The Site Investigation Report (GW/UST-2) for the USTs removed by Arnold Equipment Company, Inc. was forwarded to Guilford County Emergency Services on or around February 4, 1993. A copy of this document is included in Attachment B. Disposal certificates for these tanks can be found in Attachment C. Attachment D contains a copy of the original tank notification.

3.0 Conclusions and Recommendations

A UST Closure at Worth Industries has been completed. From a review of all information gathered during our assessment, the following items are noted:

- A total of six USTs have been closed by removal at this site. Five of these USTs are regulated by the EPA as hazardous substance tanks; the other tank is regulated as a petroleum tank. The permanent closure of all six tanks should be noted on the state's tank data base.
- Soil gas monitoring and laboratory analyses of the remaining in-situ soils surrounding the former tank locations exhibited detectable levels of hazardous substances in the area of tank number 1. Based upon the laboratory findings, further assessment and remediation is recommended. Any questions concerning the laboratory procedures can be directed to Sid Champion with R & A Labs at (919) 996-2841.
- 43.70 tons of soils exhibiting signs of contamination were excavated from the tank bed. These soils are being temporarily stored on site, encapsulated in plastic until a treatment option can be selected.
- We recommend that this report be forwarded to Guilford County Emergency Services in response to the requirements of North Carolina General Statute 143 at the following address:

Ms. Kelly Gage
Guilford County Emergency Services
P.O. Box 18807
Greensboro, NC 27419

FIGURES

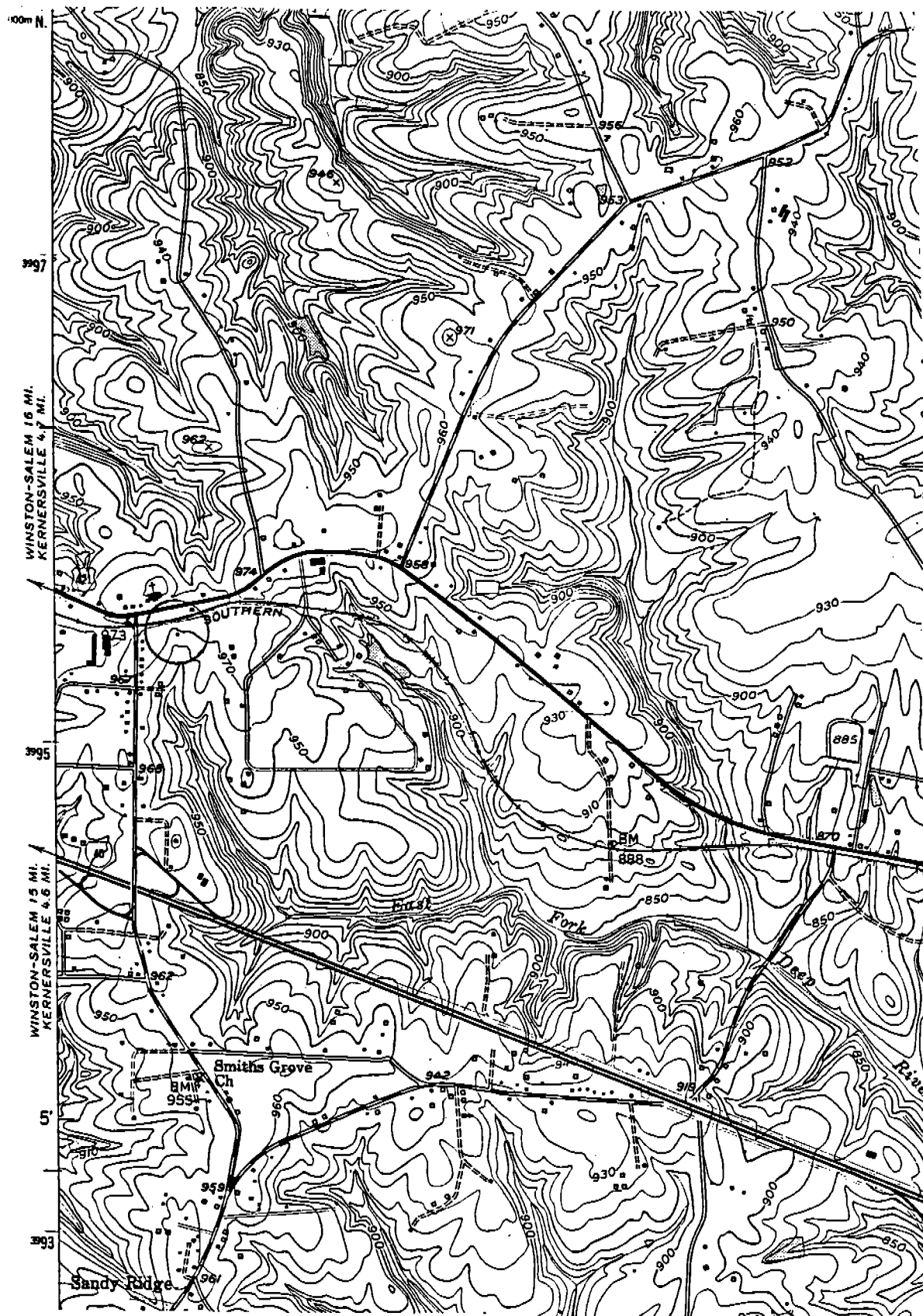


FIGURE 1

SCALE: N/A
DATE: 1/26/93
DWN.BY: MRJ
DWG.# 193-304A

TITLE:

PROJECT LOCATION

PROJECT:

UST REMOVAL
WORTH INDUSTRIES
COLFAX, NC

CLIENT:

ARNOLD EQUIPMENT
GREENSBORO, NC



LEGACY
ENVIRONMENTAL
SERVICES, INC.
GREENSBORO, NORTH CAROLINA



LEGEND

SCALE



⊗ SAMPLE LOCATIONS

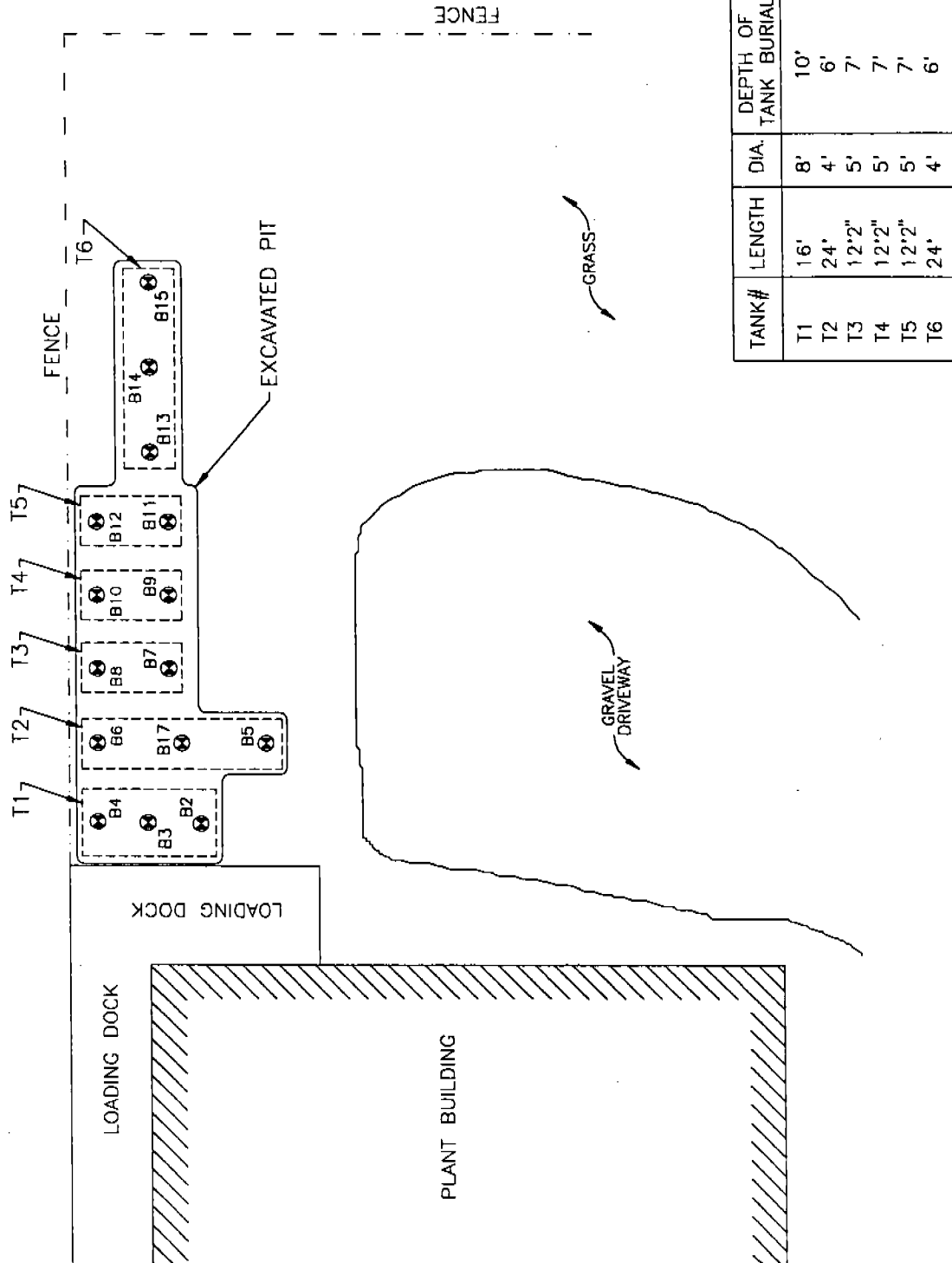


FIGURE 2

TANK #	LENGTH	DIA.	DEPTH OF TANK BURIAL	VOLUME	USAGE
T1	16'	8'	10'	6000	ISO.P.ACE.
T2	24'	4'	6'	4000	ETHYL. ACE.
T3	12'2"	5'	7'	2000	ETHYL. ACE.
T4	12'2"	5'	7'	2000	E.ALCOHOL
T5	12'2"	5'	7'	2000	DOP
T6	24'	4'	6'	4000	GASOLINE

SCALE: 1"=20'
DATE: 1/26/93
DWN.BY: MRJ
DWG.# L93-304

TITLE:
SITE LAYOUT
AND
SAMPLE LOCATIONS

PROJECT:
UST REMOVAL
WORTH INDUSTRIES
COLFAX, NC

CLIENT:
ARNOLD EQUIPMENT
GREENSBORO, NC

LEGACY
ENVIRONMENTAL
SERVICES, INC.
GREENSBORO, NORTH CAROLINA

TABLES

TABLE 1
ANALYTICAL RESULTS
WORTH INDUSTRIES
COLFAX, NORTH CAROLINA

SAMPLE ID.	LOCATION	DATE	DEPTH	ETHYL ACETATE	ETHYL ALCOHOL	ISOPROPYL ACETATE	DI-N-OCTYL PHTHALATE	TPH (5030)
B-2	T-1	1/19/93	12'	-	-	<0.100 ppm	-	-
B-3	T-1	"	"	-	-	<0.100 ppm	-	<10 ppm
B-4	T-1	"	20'	-	-	40.2 ppm	-	-
B-5	T-2	"	8'	<0.100 ppm	-	-	-	-
B-6	T-2	"	8'	<0.100 ppm	-	-	-	-
B-7	T-3	"	9'	<0.100 ppm	-	-	-	-
B-8	T-3	"	9'	<0.100 ppm	-	-	-	-
B-9	T-4	"	9'	-	<5 ppm	-	-	-
B-10	T-4	"	9'	-	<5 ppm	-	-	-
B-11	T-5	"	9'	-	-	-	<0.33 ppm	-
B-12	T-5	"	9'	-	-	-	<0.33 ppm	-
B-13	T-6	"	8'	-	-	-	-	<10 ppm
B-14	T-6	"	8'	-	-	-	-	<10 ppm
B-15	T-6	"	8'	-	-	-	-	<10 ppm
B-16	Pump island	"	4'	-	-	-	-	<10 ppm
B-17	T-2	"	8'	<0.100 ppm	-	-	-	<10 ppm

ppm

= Parts per milion

= Not reported

<

= Less than detection limits

ATTACHMENT A

ANALYTICAL REPORTS



RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations

21 January 1993

Arnold Equipment
P.O. Box 18207
Greensboro, NC 27419
Attn: Mr. Roger Brewster

I certify this to be a true and correct copy of the original.

J. R. Brewster

Project Number: 303
Project Name: Worth Ind.

Sample Number	Date Taken	Time (hrs)	Station Location	RAL Sample#	EPA* Method	Parameter	Results (ppm)
B-2	1/19/93	1537	T-1 2' below bottom	157432	8015	Iso P. Acetate	<0.100
B-3	1/19/93	1535	T-1 2' below bottom	157433	8015	Iso P. Acetate	<0.100
					5030	TPH gasoline	<10
B-4	1/19/93	1530	T-1 20' deep	157434	8015	Iso P. Acetate	40.2
B-5	1/19/93	1527	T-2 2' below bottom	157435	8015	Ethyl Acetate	<0.100
B-6	1/19/93	1525	T-2 2' below bottom	157436	8015	Ethyl Acetate	<0.100
B-7	1/19/93	1523	T-3 2' below bottom	157437	8015	Ethyl Acetate	<0.100
B-8	1/19/93	1520	T-3 2' below bottom	157438	8015	Ethyl Acetate	<0.100
B-9	1/19/93	1513	T-4 2' below bottom	157439	8015	Ethyl Alcohol	<5
B-10	1/19/93	1510	T-4 2' below bottom	157440	8015	Ethyl Alcohol	<5
B-11	1/19/93	1503	T-5 2' below bottom	157441	8270	Di-N-Octyl phthalate	<0.33
B-12	1/19/93	1500	T-5 2' below bottom	157442	8270	Di-N-Octyl phthalate	<0.33
B-13	1/19/93	1451	T-6 2' below bottom	157443	5030	TPH gasoline	<10
B-14	1/19/93	1448	T-6 2' below bottom	157444	5030	TPH gasoline	<10
B-15	1/19/93	1445	T-6 2' below bottom	157445	5030	TPH gasoline	<10
B-16	1/19/93	1530	Pump Island 4'	157446	5030	TPH gasoline	<10
B-17	1/19/93	1540	T-2 2' below bottom	157447	8015	Ethyl Acetate	<0.100
					5030	TPH gasoline	<10

*EPA Method 8270 = GC/MS

8015 = GC/FID

5030 = Total Petroleum Hydrocarbons as gasoline

ppm = parts per million

< = less than



LEGACY ENVIRONMENTAL SERVICES, INC.

P.O. Box 4560, Greensboro, NC 27404-4560, Phone (919) 316-0452, FAX (919) 299-1961

CHAIN OF CUSTODY RECORD

FACILITY: WORTH IND.

LES JOB #: 303

SAMPLERS (Signature) *[Signature]*

(Name) DAVE JOHNSON

Field PPM	SAMPLE NUMBER	SAMPLE LOCATION	DATE	TIME	SAMPLE TYPE			NO. OF CONT.	ANALYSIS REQUIRED
					WATER		SOIL		
					COMP	GRAB			
101	1-2	T-1 - 2' Below Bottom	1-17	3:37			X	1	ISO. P. ACETATE
103	1-3	T-1 - 2' Below Bottom	"	3:35			X	1	" "
2110	1-4	T-1 - 20' Deep	"	3:30			X	1	" "
14	1-5	T-2 - 2' Below Bottom	"	3:27			X	1	ETHYL ACETATE
57	1-6	T-2 "	"	3:25			X	1	" "
12	1-7	T-3 "	"	3:23			X	1	" "
7	1-8	T-3 "	"	3:20			X	1	" "
2	1-9	T-4 "	"	3:13			X	1	ETHYL ALCOHOL
3	1-10	T-4 "	"	3:10			X	1	" "
4	1-11	T-5 "	"	3:03			X	1	DIOCTYL PHTHALATE
2	1-12	T-5 "	"	3:00			X	1	" "
14	1-13	T-6 "	"	2:51			X	1	SO30
16	1-14	T-6 "	"	2:48			X	1	SO30
5	1-15	T-6 "	"	2:45			X	1	SO30
6	1-16	Empty KILND - 4'	"	3:30			X	1	SO30
35	1-17	T-2 - 2' Below Bottom	"	3:40			X	1	ETHYL ACETATE

Relinquished by: (Signature) *[Signature]*

Received by: (Signature) *[Signature]*

Date/Time

1-19-93

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Methods of Shipment

Received for Laboratory by:

Date/Time

Conditions upon receipt

Remarks:

ATTACHMENT B

SITE INVESTIGATION REPORT (GW/UST-2)

(GW/UST-2)

Site Investigation Report For Permanent Closure or Change-in-Service of U.S.T.

FOR
TANKS
IN
NC

Return Completed Form To:

The appropriate DEM Regional Office according to the county of the facility's location.
[SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL
OFFICE ADDRESS].

State Use Only

I.D. Number

Date Received

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)

Shamrock Corporation
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
P.O. Box 16247
Street Address
Greensboro, NC 27405
County
XXXXXX Guilford
City State Zip Code
919/574-4200
Area Code Telephone Number

II. Location of Tank(s)

Worth Industries
Facility Name or Company
Facility ID # (if available)
3416 Sandy Ridge Road
Street Address or State Road
XXXXXX Guilford COLFAX NC 27235
County City Zip Code
N/A
Area Code Telephone Number

III. Contact Person

Charles Whisonant Dir. of Manufacturing 919/574-4200
Name Job Title Telephone No. (Area Code)
Closure Contractor Arnold Equipment Company, Inc. P.O. Box 18207 GSO, NC 27419 919/299-5220
(Name) (Address) Telephone No. (Area Code)
Lab Research & Analytical Labs Kernersville, NC 919/996-2841
(Name) (Address) Telephone No. (Area Code)

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	6K	8'0"x16'0"	Iso.P. Acetate		X		X	X	
2	4K	4'0"x24'0"	Ethyl Acetate		X		X		X
3	2K	5'0"x12'2"	Ethyl Acetate		X		X		X
4	2K	5'0"x12'2"	Ethyl Alcohol		X		X		X
5	2K	5'0"x12'2"	DiOctyl PhTh.		X		X		X
6	4K	4'0"x24'0"	Gasoline		X		X		X

See reverse side of pink copy
(owner's copy) for additional
information required by
N.C. - DEM in the
written report and sketch.

COPY

VII. Check List

Check the activities completed.

- ☐ Contact local fire marshal
☒ Notify DEM Regional Office before abandonment. REMOVAL.
☒ Drain & flush piping into tank.
☒ Remove all product and residuals from tank
☒ Excavate down to tank.
☒ Clean and inspect tank.
☒ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
☒ Cap or plug all lines except the vent and fill lines.
☒ Purge tank of all product & flammable vapors.
☒ Cut one or more large holes in the tanks. BY SAFEWAY TANK DISP.
☒ Backfill the area. 01/20/93
Date Tank(s) Permanently closed: _____
Date of Change-in-Service: _____

I certify this to be a true copy
Charles Whisonant

ABANDONMENT IN PLACE

- ☐ Fill tank until material overflows tank opening;
☐ Plug or cap all openings;
☐ Disconnect and cap or remove vent line
☐ Solid inert material used - specify: _____

REMOVAL

- ☒ Create vent hole
☒ Label tank
☒ Dispose of tank in approved manner
Final tank destination: Safeway Tank Disposal
Colfax, NC

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative

Mr. Charles Whisonant - Dir. of Mfg.

Signature

Charles Whisonant

Date Signed

2/3/93

ATTACHMENT C

CERTIFICATE OF TANK DISPOSAL

CERTIFICATE OF TANK DISPOSAL

Customer

Arnold Equipment
P.O. Box 18287
Greensboro, NC 27419

Date JAN. 29, 1993

I certify this to be a true copy

Transported by Jerry's Grading

Tank Disposal Number	Size	Weight	Product	Residue Amount	Origin
6772	4,000	3640#	Gasoline	25 gal	Worth Ind. Sandy Ridge Rd. Colfax NC
6773	2,000	1820#	Clean & Empty	0	↓
6774	2,000	1820#	Clean & Empty	0	
6775	6,000	5485#	Clean & Empty	0	
6776	2,000	1820#	Clean & Empty	0	
6777	4,000	3640#	Clean & Empty	0	

Total Residue

25 gal

NOTE: Tanks were cleaned by Arnold Equip.

Tanks were disposed in accordance with API 1604, 1987 Removal and Disposal of Used Underground Petroleum Storage Tanks. Residue was disposed in accordance with U.S. EPA Regulations by licensed subcontractor. Lead free scrap steel was recycled by

United Metal Recyclers on 1/22/93

Bruce A. Long
 SAFEWAY TANK DISPOSAL, INC.

ATTACHMENT D

NOTIFICATION FOR USTS (EPA FORM 7530)



HAZARDOUS WASTE MANIFEST

(AS REQUIRED BY THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT)

W.I.

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NLD067434548		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address SHARPLEY DRIVE (WORTH 140.1) P O BOX 16247 GREENSBORO, NC 27416						A. State Manifest Document Number FIS 0015691								
4. Generator's Phone (919) 574-4200						B. State Generator's ID								
5. Transporter 1 Company Name FISHER INDUSTRIAL SERVICE, INC.				6. US EPA ID Number ALD981020894		C. State Transporter's ID 205/492-8340								
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone								
9. Designated Facility Name and Site Address Fisher Industrial Service, Inc. Rt. 9 Box 398M Gadsden, AL 35903				10. US EPA ID Number ALD981020894		E. State Transporter's ID								
						F. Transporter's Phone								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						G. State Facility's ID ALD981020894								
						H. Facility's Phone 205-492-8340								
12. Containers						13. Total Quantity		14. Unit Wt/Vol						
a. WASTE, FLAMMABLE LIQUID N.O.S. (CONTAINS TOLUENE/ISOPROPANOL), FLAMMABLE LIQUID, UN 1993 (TANK Clean out) FIS Profile #: 2891						No. 005		Type 27.5						
b.														
c.														
d.														
J. Additional Descriptions for Materials Listed Above Transporter has E.R.G. Book. State of Origin: NC						K. Handling Codes for Wastes Listed Above								
15. Special Handling Instructions and Additional Information 24 Hr. Emergency Response Name/Number: CHARLES WHISENANT 919/574-4200 OR 919/667-1506 Work Order #: 9300118 Purchase Order #: 10213 CD														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name Philip A Scobins					Signature Philip A Scobins					Month Day Year 02/02/93				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name Keith R Cranford					Signature Keith R Cranford					Month Day Year 10/02/93				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name					Signature					Month Day Year				

TIME WEIGHT 12668
 SCALE REMONK 28368 15.70

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No. 0002	2. Page 1 of
3. Generator's Name and Mailing Address Shamrock Corp. 3416 Sandy Ridge Rd Colfax, NC 27235		Trace # 668		
4. Generator's Phone (919) 574-4200				
5. Transporter 1 Company Name Jerry's Grading + Hauling	6. US EPA ID Number			
7. Transporter 2 Company Name	8. US EPA ID Number			
9. Designated Facility Name and Site Address Worth Industries 3416 Sandy Ridge Rd Colfax, NC 27235	10. US EPA ID Number TEMPORARY SITE	A. Transporter's Phone 919/665-9837 B. Transporter's Phone C. Facility's Phone		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. Organic Solvent Contaminated Soil			15.70	Tons
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above C.		
15. Special Handling Instructions and Additional Information COVER WHEN POSSIBLE.				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Cecil C Farmer - for Shamrock		Signature Cecil C Farmer		Month Day Year 1 20 93
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Clifton Bell		Signature Clifton Bell		Month Day Year 1 20 93
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature		Month Day Year

TAKE WEIGHT 12665
SCALE READING 28310 15.65

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 0001

2. Page 1 of

3. Generator's Name and Mailing Address

SHAWNEE CORP. 3416 Sandy Ridge Rd Colfax, NC 27235

Truck # 668

4. Generator's Phone (919) 574-4200

5. Transporter 1 Company Name

Jerry's Grading & Hauling

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

WORTH INDUSTRIES
3416 Sandy Ridge Rd
Colfax NC 27235

10. US EPA ID Number

TEMPORARY STORE
ON SITE

A. Transporter's Phone 919/645-9437

B. Transporter's Phone

C. Facility's Phone

11. Waste Shipping Name and Description

a. ORGANIC SOLVENT
CONTAMINATED SOIL

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

15.65

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

C.

15. Special Handling Instructions and Additional Information

0 COVER WHEN POSSIBLE.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Cecil C Farmer - for Shamrock

Signature

Cecil C Farmer

Month Day Year

1 20 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Clifton Boll

Signature

Clifton Boll

Month Day Year

1 20 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

TRANSPORTER #1

2-815-65 Rev. 6-89

ATTACHMENT A
WELL CONSTRUCTION RECORD

WELL CONSTRUCTION RECORD

FOR OFFICE USE ONLY		
QUAD. NO.	SERIAL NO.	
Lat.	Long.	Pc
Minor Basin		
Basin Code		
Header Ent.		GW-1 Ent.

DILLING CONTRACTOR: Legacy Environmental Services

DILLER REGISTRATION NUMBER: 1470

STATE WELL CONSTRUCTION
PERMIT NUMBER: N/A

WELL LOCATION: (Show sketch of the location below)

Nearest Town: Cel fax County: Guilford

3416 Sandy Ridge Rd.

(Road, Community, or Subdivision and Lot No.)

OWNER Shamrock Corporation

ADDRESS PO Box 16247

Greensboro

N.C.

27405

City or Town

State

Zip Code

DATE DRILLED 12-28-93 USE OF WELL Monitor

TOTAL DEPTH 25'

CUTTINGS COLLECTED YES ☐ NO ☒

DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

STATIC WATER LEVEL Below Top of Casing: 20 FT.

(Use "+" if Above Top of Casing)

TOP OF CASING IS 0 FT. Above Land Surface*

*Casing Terminated at/or below land surface is illegal unless a variance is issued in accordance with 15A NCAC 2C .0118

YIELD (gpm): N/A METHOD OF TEST N/A

1. WATER ZONES (depth): N/A

1. CHLORINATION: Type N/A Amount ---

2. CASING:

From	Depth	To	Diameter	Wall Thickness or Weight/Ft.	Material
<u>0</u>	<u>15</u>	<u>Ft.</u>	<u>2"</u>	<u>sch. 40</u>	<u>PVC</u>
<u>From</u>	<u>To</u>	<u>Ft.</u>	<u></u>	<u></u>	<u></u>
<u>From</u>	<u>To</u>	<u>Ft.</u>	<u></u>	<u></u>	<u></u>

3. GROUT:

From	Depth	To	Material	Method
<u>0</u>	<u>11</u>	<u>Ft.</u>	<u>Portland cement</u>	<u>Hand mix</u>
<u>From</u>	<u>To</u>	<u>Ft.</u>	<u></u>	<u></u>

4. SCREEN:

From	Depth	To	Diameter	Slot Size	Material
<u>15</u>	<u>25</u>	<u>Ft.</u>	<u>2"</u>	<u>.010 in.</u>	<u>PVC</u>
<u>From</u>	<u>To</u>	<u>Ft.</u>	<u></u>	<u></u>	<u></u>
<u>From</u>	<u>To</u>	<u>Ft.</u>	<u></u>	<u></u>	<u></u>

5. SAND/GRAVEL PACK:

From	Depth	To	Size	Material
<u>13</u>	<u>25</u>	<u>Ft.</u>	<u>#2</u>	<u>Fine Sand</u>
<u>From</u>	<u>To</u>	<u>Ft.</u>	<u></u>	<u></u>

6. REMARKS:

DEPTH

From To

0 - 1

1 - 3

3 - 25

DRILLING LOG

Formation Description

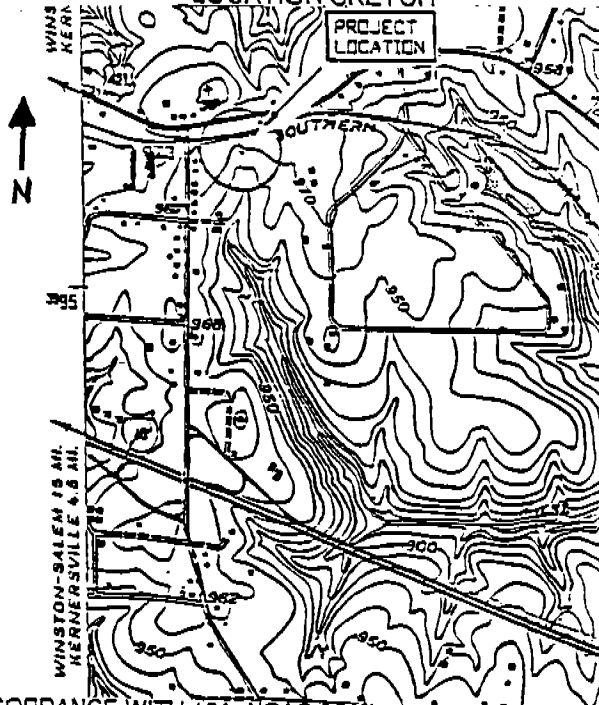
CLAY LOAM

CLAY - CLAY LOAM

SANDY CLAY LOAM

If additional space is needed use back of form

LOCATION SKETCH



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CONTRACTOR OR AGENT

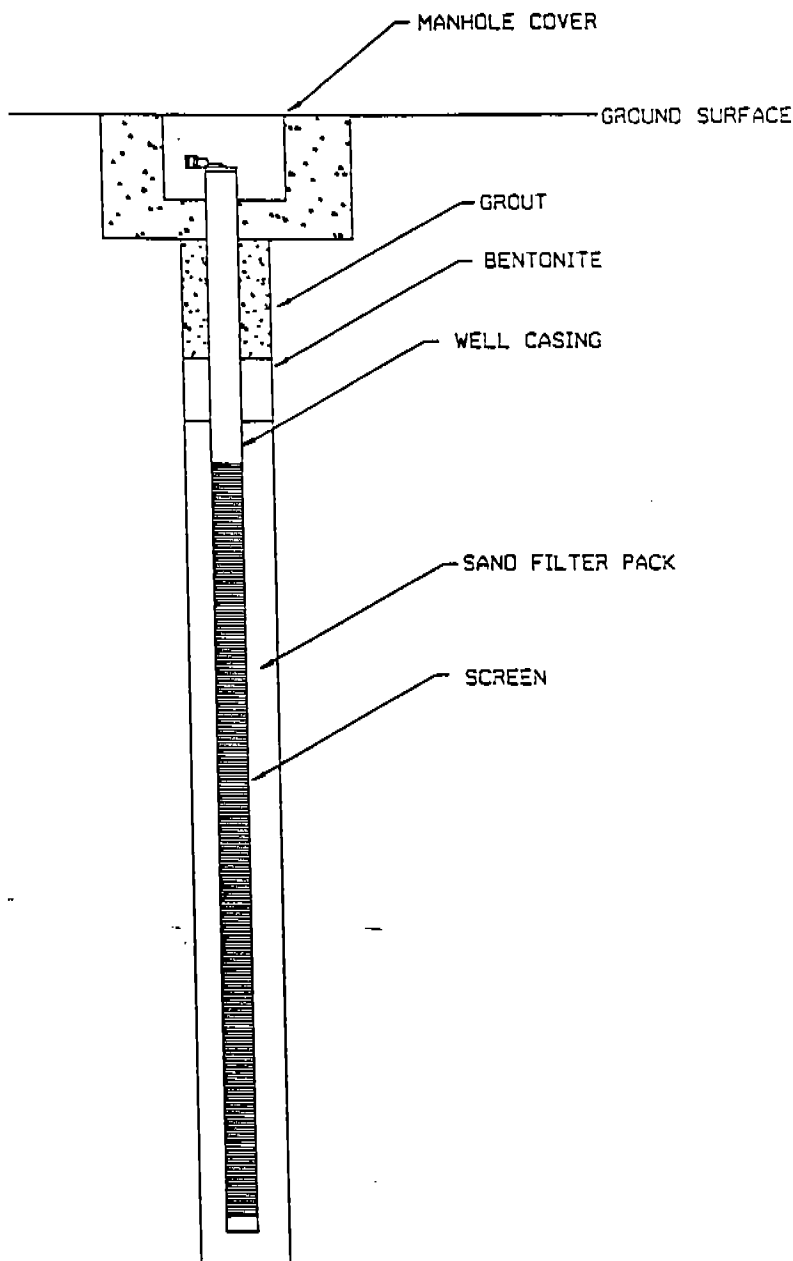
12-28-93

DATE

WELL CONSTRUCTION DETAIL

WELL NUMBER: MW-1
 DATE STARTED: 12-28-93
 DATE COMPLETED: 12-28-93
 DRILLING METHOD: AUGER
 DRILLING FLUIDS: NONE
 STATIC WATER
 LEVEL: 20'

NOTES: _____



O.D. OF BOREHOLE: 6"
 O.D. OF CASING: 2"
 PIPE STICKUP: Flush Mount
 SURFACE ELEVATION: N/A
 GROUT TYPE: Portland
 CASING TYPE: PVC
 CASING SIZE: 2"
 DEPTH TO BOTTOM
 OF CASING: 15'
 DEPTH TO TOP
 OF BENTONITE: 11'
 DEPTH TO TOP
 OF SAND PACK: 13'
 DEPTH TO TOP
 OF SCREEN: 15'
 DEPTH TO BOTTOM
 OF SCREEN: 25'
 LENGTH OF
 SCREEN: 10'
 SCREEN OPENING
 SIZE: .010
 SCREEN TYPE: PVC
 SCREEN SIZE: 2"

CALS: N/A TITLE: MONITORING WELL SCHEMATIC
 DATE: 8/18/93
 DRAWN BY: HN LES JOB #: P-228
 Dwg. # L93-364

CLIENT: AECO
WORTH INDUSTRIES

PROJECT: WORTH IND.



LEGACY
 ENVIRONMENTAL
 SERVICES, INC.
 GREENSBORO, NORTH CAROLINA

ATTACHMENT B
ANALYTICAL REPORTS

ATTACHMENT E

SOIL TRANSPORT MANIFEST

7/5/95

ATTACHMENT C

CERTIFICATE # WSEC-164

North Carolina - Division of Environmental Management

**CERTIFICATE OF APPROVAL FOR
DISPOSAL OF SOILS CONTAINING PETROLEUM PRODUCTS**

- ☐ of 50 Cubic Yards or Less
☐ with Average Total Petroleum Hydrocarbon Concentration of
≤ Cleanup Level of 10 TPFH (Method 5030),
40 TPFH (Method 3550), 250 Oil & Grease (Method 9071)
☐ Temporary Storage
☒ Other (explain below)

Approval Is Hereby Granted To:

Name: Shamrock Corporation

Address: PO Box 16247

Greensboro NC 27405

for the storage/disposal of approximately 40 cubic yards of contaminated soil as specified below:

Type of Contaminants: see attached UST-2

Location of Source of Contaminant(s) (Include business/owner name): _____

Worth Industries, 3416 Sandy Ridge Road, Colfax, NC

Address of Source of Contaminants: same

County: Guilford

Method of Disposal: Land Application

Location(s) where contaminated soils will be stored or disposed of (map must be provided):

Worth Industries, 3416 Sandy Ridge Road, Colfax, NC

This approval is based upon information provided to the Regional Supervisor,
Winston-Salem Regional Office, by the responsible party, who hereby agrees
to conduct the approved soil disposal activities in accordance with applicable state,
local or federal requirements and additionally agrees to abide by any special conditions
or limitations specified below. (Note: Contaminated Soils shall not be disposed of, without
written permission from the Division of Solid Waste Management, if the soil is Regulated
under Subtitles C or D of RCRA)

Special Conditions, Limitations or Comments: Per DEM's May 9, 1995 letter.

Certificate of Approval issued this the 5th day of July, 1995.

Larry D. Cable
Signature of D.E.M. Representative

Charles Whisnant
Signature of Responsible Party

Winston-Salem Regional Office

GW-71 3/10/93

White Copy - Regional Office

Yellow Copy - Responsible Party

ATTACHMENT D

Professional Certification

The site closure report for this site has been prepared by Legacy Environmental Services, Inc. under the direct supervision of licensed engineers or geologists. Technical review of this document has been provided by Henry Nemargut Engineering Services. All engineering work performed on this project was conducted under my direct supervision:



Henry Nemargut, P.E.
Henry Nemargut Engineering Services
North Carolina License #17669



P.O. Box 4560, Greensboro, NC 27404-4560, Phone (919) 316-0452, FAX (919) 299-1961

CHAIN OF CUSTODY RECORD

LEGACIO. BIL

FACILITY: WORTH INDUSTRIES

LES JOB #: P-228

SAMPLERS (Signature)

(Name) STEVE NEWMAN

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

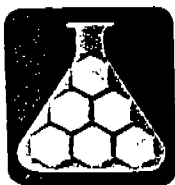
Methods of Shipment

Received for Laboratory by:

Date/Time

Conditions upon receipt

Remarks:



RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations



29 December 1993

Legacy Environmental
P.O. Box 4560
Greensboro, NC 27404

Attention: Steve Newton

Project Number: P-228
Project Name: Worth Industries Monitor Well #1

<u>Sample Number</u>	<u>Date Taken</u>	<u>Time (hrs)</u>	<u>Station Location</u>	<u>RAL Sample#</u>	<u>Parameter</u>	<u>Results (PPM)</u>
MW-1	12/28/93	1140	Monitor Well #1	188665	IPA	<0.010

IPA = Isopropyl Acetate
PPM = Parts Per Million
< = Less Than

FIGURES



WOODS

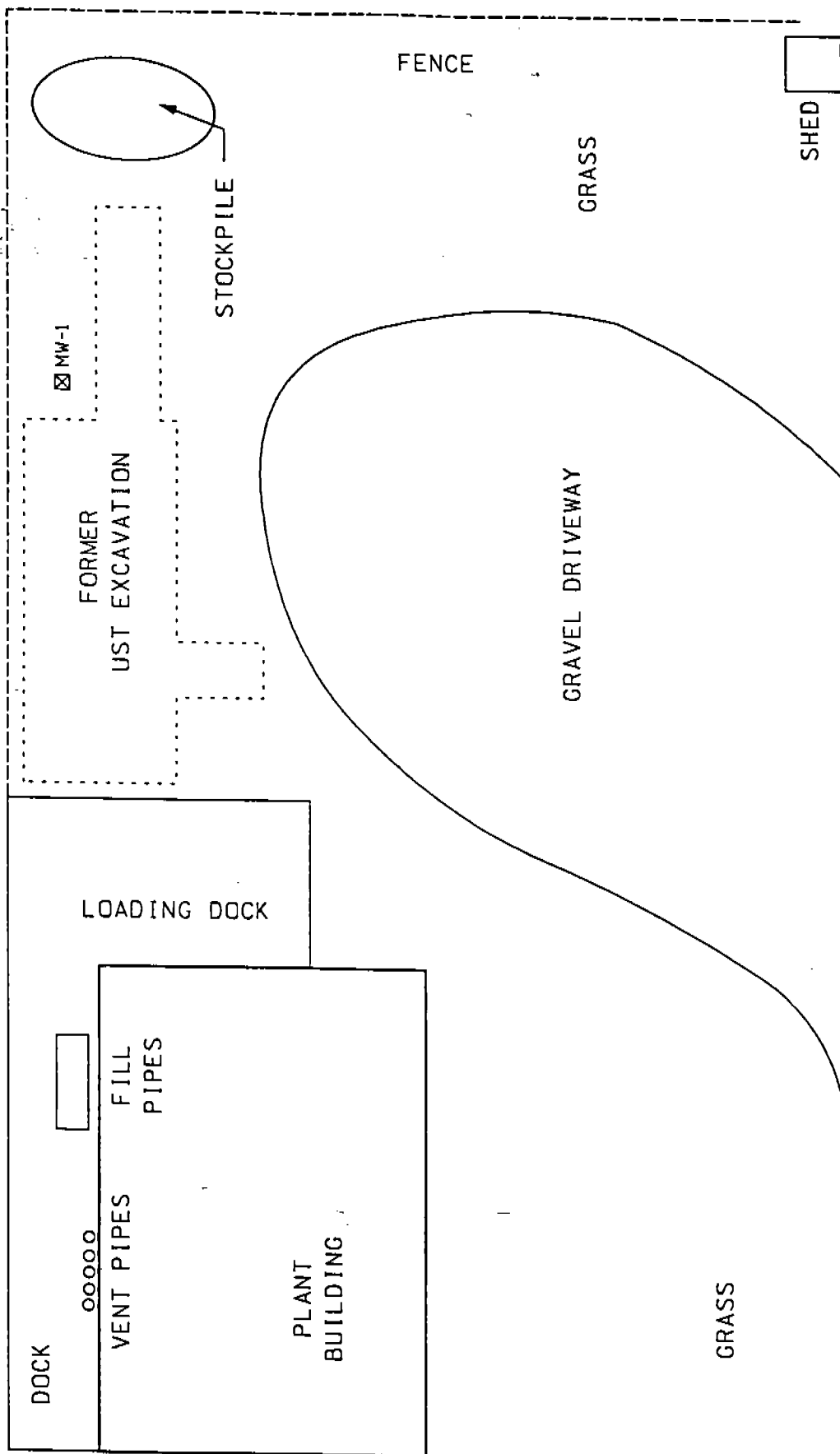


FIGURE 1

SCALE: 1"=20'	TITLE: SITE LAYOUT & MONITORING WELL LOCATION	PROJECT: SOIL ASSESSMENT WORTH INDUSTRIES COLFAX, NC	CLIENT: ARNOLD EQUIPMENT	LEGACY ENVIRONMENTAL SERVICES, INC. GREENSBORO, NORTH CAROLINA
DATE: 1/14/94				
DWN.BY: SGF				
DWG.# L93-366				